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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,404	06/29/2006	Martin Brenner	016906-0434	3714
22428 FOLEY AND	7590 03/10/201 LARDNER LLP	0	EXAM	UNER
SUITE 500			SORKIN, DAVID L	
3000 K STRE			ART UNIT PAPER NUMBER	
	,		1797	
			MAIL DATE	DELIVERY MODE
			03/10/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/553,404 BRENNER ET AL. Office Action Summary Examiner Art Unit DAVID L. SORKIN 1797 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 24 January 2010. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) _____ is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1-24 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review 3) Information Disclosure Statement(e) (FTO/SE/D Paper No(s)/Mail Date	
S. Patent and Trademark Office	

Attachment(s)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-13, 16-21 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Ashmead et al. (US 5.534.328). Regarding claims 1, 4, 6 and 7. Ashmead discloses a device having a mixing chamber (64) wherein a wall of the mixing chamber has a temperature control channel (for example 74) which is separate and discrete from the at least one mixing chamber (see col. 11, line 65 to col. 12 line 15. where it is explained that heat exchange fluid enters inlet port 75 and exits outlet port 76. The mixing chamber is separate and distinct with fluids entering and exiting via ports 20, 24, 30 and 34). Regarding claim 2, energy can be feed or removed electrically (see col. 10, lines 26-38). Regarding claim 3, 8-10 and 21, energy can be fed or removed from the at least one mixing chamber by a medium through the channel (see col. 9, lines 15-16). Regarding claim 5, the chamber may be provided with a catalyst (see col. 13, lines 11-21). Regarding claim 11, an inlet (20 or 24) is disclosed. Regarding claims 12-15, the wall comprises a plurality of plates or sheets bearing against one another (200,300,400, etc.). Regarding claim 16, see col. 3, lines 4-23 for material of which the device is made, which include metal and plastic. Regarding claims 17, 18 and 24, "The patentability of a product does not depend on its method of

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production" *In re Thorpe*, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985), nonetheless see col. 6, lines 39-54. Regarding claims 19 and 20, the reaction chamber is in channel form (see drawings).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be neadtived by the manner in which the invention was made.

4. Claims 14, 15, 22 and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ashmead et al. (US 5,534,328). The device of Ashmead was discussed above. The particular sizes recited in these claims are not explicitly disclosed. See In re Rose, 220 F.2d 459, 105 USPQ 237 (CCPA 1955) regarding the obviousness of selecting a size.

Response to Arguments

5. Contrary to applicant's remarks, the heat exchange channel 74 of Asmead is separate and distinct from the mixing chamber. The heat exchange fluid enters at 75 and exists at 76, which the ports for the mixing channel are 20, 24, 30 and 34.

Conclusion

 Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). Art Unit: 1797

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID L. SORKIN whose telephone number is (571)272-1148. The examiner can normally be reached on Mon.-Fri. 7:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Walter D. Griffin can be reached on 571-272-1447. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DAVID L. SORKIN/ Primary Examiner, Art Unit 1797